

PRE-FLIGHT CHECKLIST FOR PERSONAL EQUIPMENT SECTION

1. Pre-Breathing Room (T.O. Minus 2:20):

- ✓ a. Orderliness
- ✓ b. Security
- ✓ c. Utilities (Electricity - Air Conditioning)

2. Ground Vehicle Check (T.O. Minus 2:20):

- ✓ a. Walk Around check
- ✓ b. Starting
- ✓ c. On Board: Spare Pack (1) - Facepiece (1) - D-2, 425 psi (2) - Cushions (2) - Parachutes (2).

3. Aircraft Oxygen Check (T.O. Minus 2:20):

- ✓ a. Position Seat Pack in cockpit
- ✓ b. Oxygen pressure 1800 to 2000 psi
- ✓ c. Connect oxygen and check for flow
- ✓ d. Check radio through seat pack
- ✓ e. Check face piece heat on normal and by-pass
- ✓ f. Arrange placement of seat belt, harness, seat pack leads

4. Pre-Breathing (T.O. Minus 2:00):

- A-21 Reg*  
*D-2*  
*425 PSI*
- ✓ a. Oxygen manifold and reduction system "ON"
  - ✓ b. 150 psi connected to console
  - ✓ c. Console check - flow and pressure 2 to 3 mm Hg
  - ✓ d. Fit underwear to pilot
  - ✓ e. Check and fit helmet assembly to pilot
  - ✓ f. Connect face piece to console - turn "ON"
  - ✓ g. Pre-breath pilot and note time "ON"

5. Check Personal Equipment:

- ✓ a. Suit condition
- ✓ b. Helmet
- ✓ c. Gloves

- ✓ d. Boots
- ✓ e. Parachute
- ✓ f. Coveralls
- ✓ g. Face piece and carrier
- ✓ h. Store items in sequence of wear after check.
- ✓ i. Periodically insure pilot's oxygen supply adequacy and comfort

6. Clothing Pilot (T.O. Minus :30):

- ✓ a. Fit Pilot's suit assembly plus coveralls. Check all zippers, lacings and general appearance.
- ✓ b. Drinking water
- ✓ c. ~~Remove pilot from console (Time noted); connect to D-2 charged~~  
425 psi
- ✓ d. Escort pilot to vehicle and plane

7. At Aircraft (T.O. Minus :20):

- ✓ a. Fit parachute and back pack to pilot
- ✓ b. General evaluation of all garments
- ✓ c. Pilot hook-up in aircraft: Seat pack hook-up; engage capstan and breathing supply hoses; engage flight face piece to "T" block; connect amphenol; connect "U" plug; oxygen "ON"; check flow and change face piece; shoulder harness and seat belt; face piece heat check; press to test and check inflation.
- ✓ d. Recheck all items - get pilots approval
- ✓ e. Technician and vehicle remain "on line" until aircraft departure.

8. Post Flight:

- ✓ a. Report to aircraft at "Switch Off" time.
- ✓ b. Assist pilot out of aircraft and remove headgear.
- ✓ c. Remove personal equipment from cockpit.
- ✓ d. Return pilot to operations.
- ✓ e. Assist in removing clothing.
- ✓ f. Clean and perform minute inspection of all equipment.
- ✓ g. Report to de-briefing for pilot report.

*all items accomplished*

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